# Act Report

*Analysis Questions*

1. What are most common 10 dogs' names?

*Visualization*



| Charlie | 11 |
|---------|----|
| Lucy | 11 |
| Cooper | 10 |
| Oliver | 10 |
| Penny | 9 |
| Tucker | 9 |
| Winston | 8 |
| Lola | 8 |
| Sadie | 8 |
| Toby | 7 |
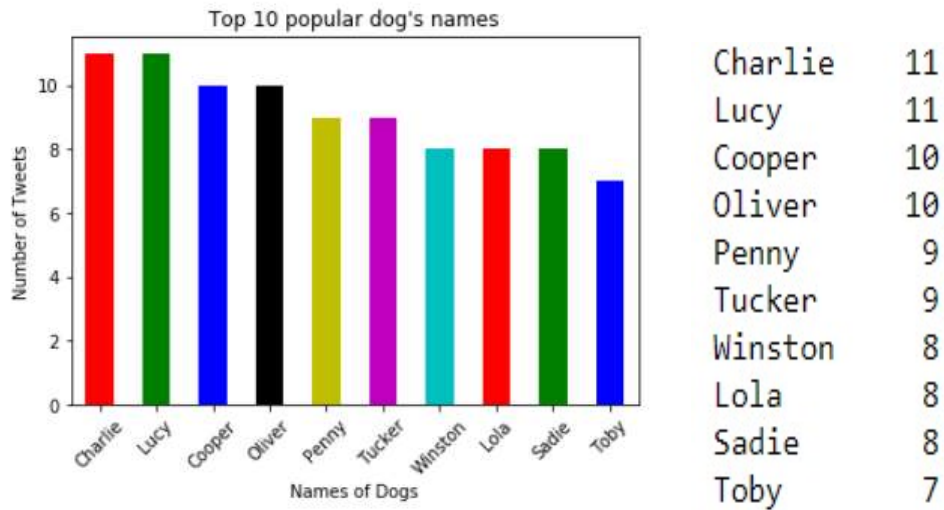
*Insight*

➢ Looking at the above chart, we can see that 'Charlie', 'Lucy','Cooper', and 'Oliver' are the most popular names for dogs among all the tweets from WeRateDogs. 'Charlie' and 'Lucy' are picked more often than others with 11 counts while Cooper and Oliver both has 10 tweets counts.

*Analysis Questions*

2. What is the most common dog's type (doggo, floofer, pupper and puppo)?

*Visualization*



| pupper | 220 |
|--------|-----|
| doggo | 83 |
| puppo | 23 |
| floofer | 9 |
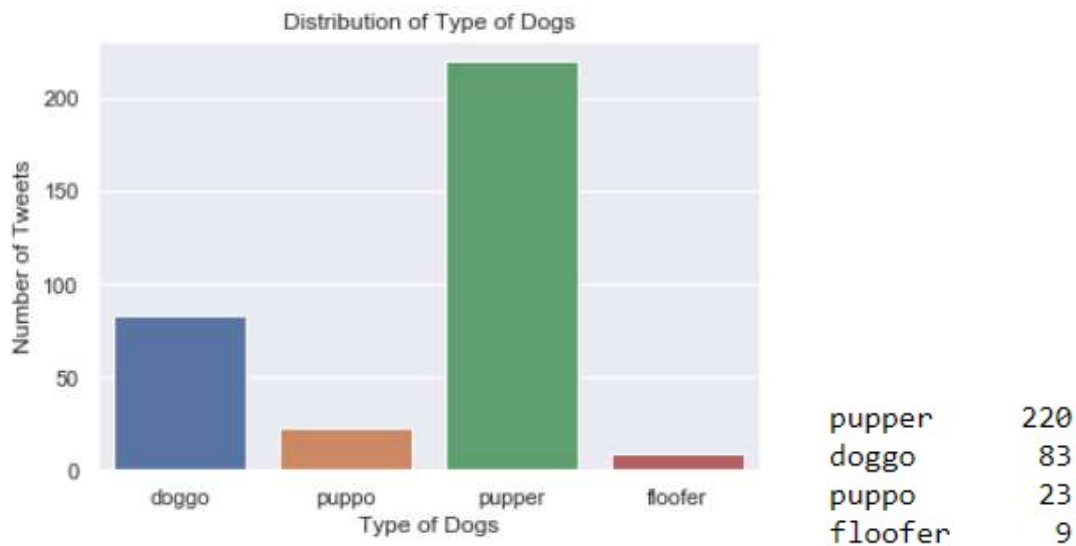
```
Total number of tweets with Type of Dogs value: 335
Percentage of tweets: 16.13%
```
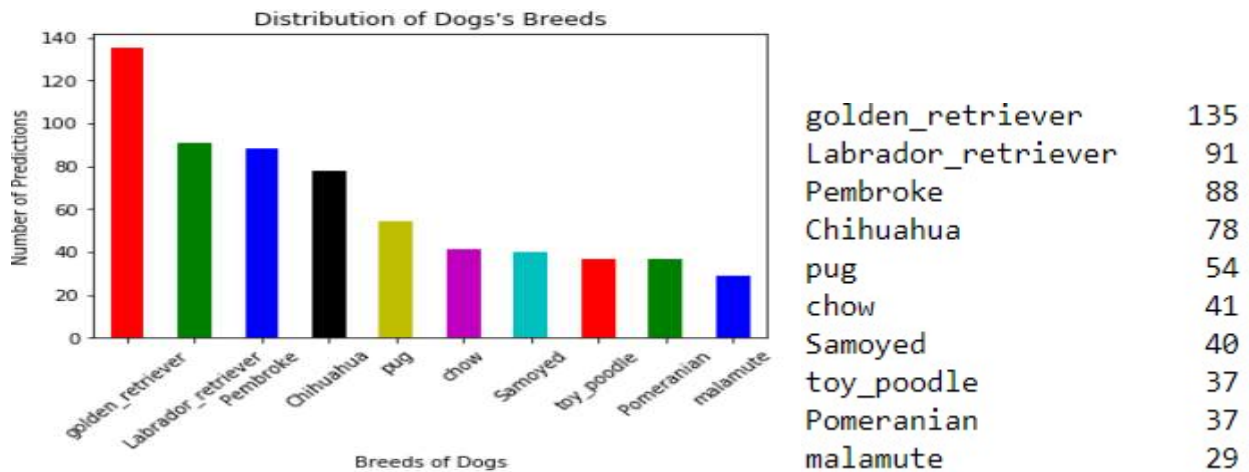
*Insight*

> ➤ Pupper is the type of dogs which has the most prevalent tweets, following up with doggo and puppo. Floofer seems to have the least tweets count. However, there is a large portion of missing value in our data for 'TypeOfDog' column. We can only obtain 16% of the total tweets.

*Analysis Questions*

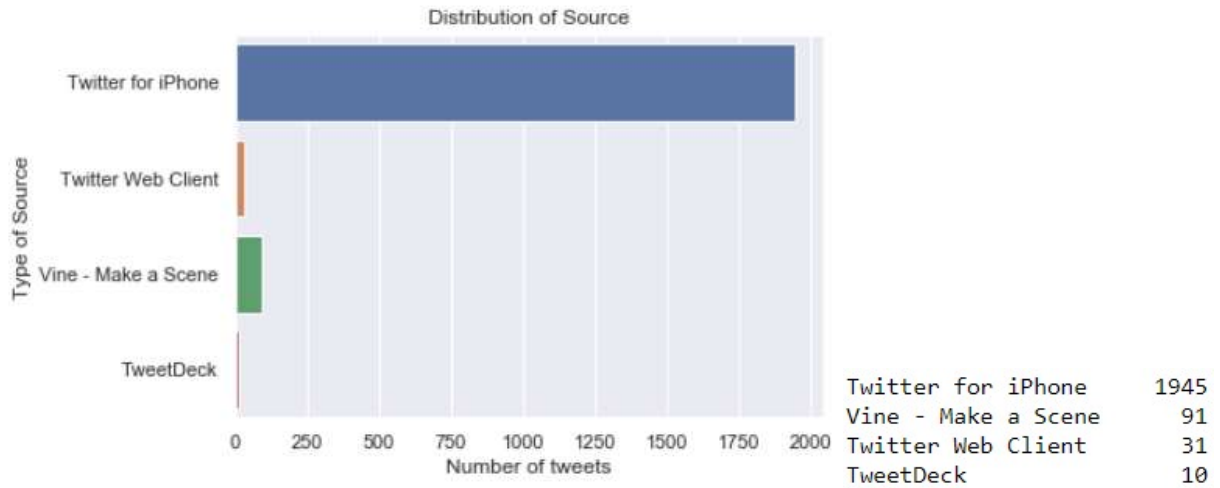3. What is the most common dog's breed?

*Visualization*



```
golden_retriever      135
Labrador_retriever     91
Pembroke               88
Chihuahua              78
pug                    54
chow                   41
Samoyed                40
toy_poodle             37
Pomeranian             37
malamute               29
```

*Insight*

> ➤ The top breeds of dogs are Golden_Retriever, Labrador_Retriever, Pembroke, and Chihuahua. Golden_Retriever has 135 tweets while the second popular breed Labrador_Retriever has 91 tweets following with 88 tweets of Pembroke. The gap between the second and the third breed of the popular list is not too big. There are only 3 tweets in difference. Chihuahua came as the fourth ranking in this list with 78 tweets.

*Analysis Questions*

4. What is the most common used source of tweeting?

*Visualization*

Distribution of Source

| Source | Number of tweets |
| --- | --- |
| Twitter for iPhone | 1945 |
| Vine - Make a Scene | 91 |
| Twitter Web Client | 31 |
| TweetDeck | 10 |

## Insight

➤ The chart above shows that most of the tweets came from Twitter app for Iphone. The second popular channel that people use to tweet is Vine's Make-a-Scene app and Twitter Web Client. TweetDeck appears as unpopular source to use Twitter.

## Analysis Questions

5. Explore correlation between Retweets, Favorites, and Ratings?

## Visualization
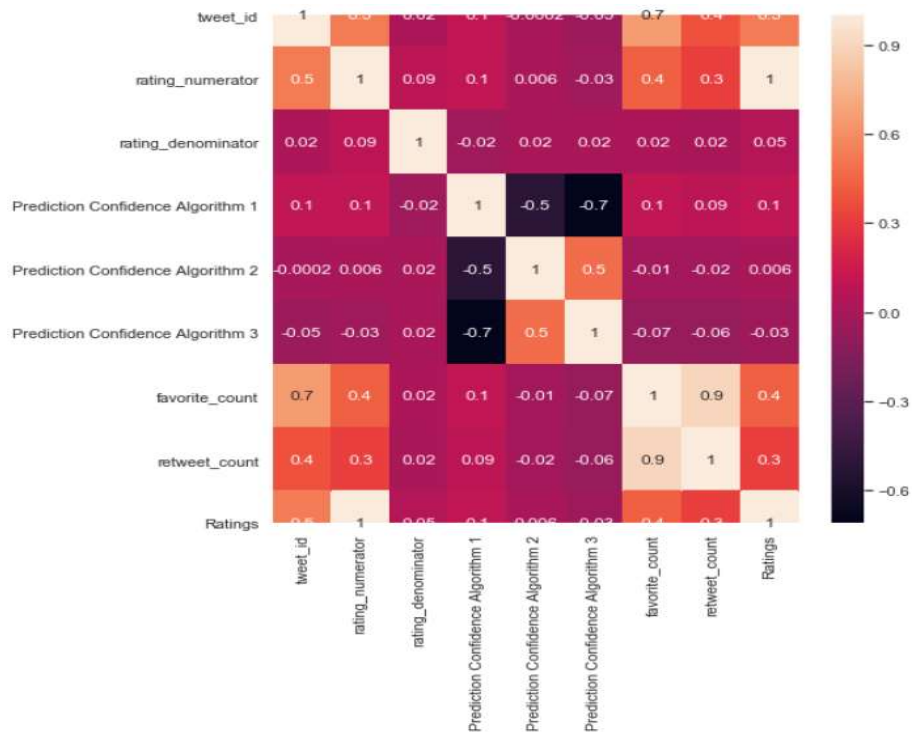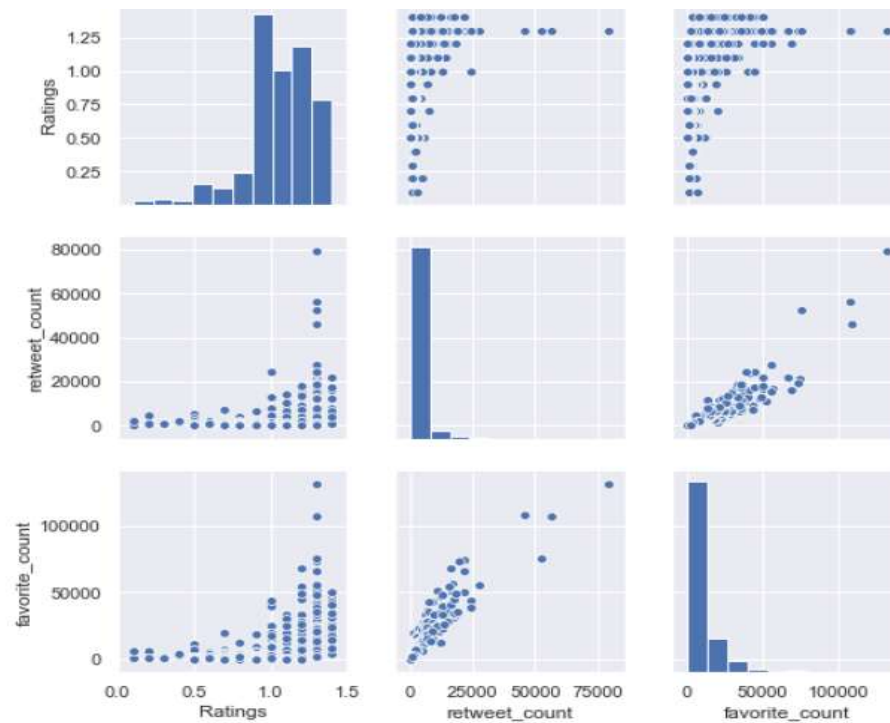
*Insight*

> ➢ Based on the plot above, we can visual there is a strong positive linear relationship between 'retweet_count' and 'favorite_count'. The correlation coefficient between these two variables is 0.9 while they are 0.3 and 0.4 between 'Ratings' and 'retweet_count'/'favorite_count' respectively. This shows there is not a clear correlation between 'Ratings' and the other two variables.